

ISIS - Bug #2319

cneteditor - allows duplicate point id's

2015-08-12 03:20 PM - Lynn Weller

Status:	Closed	Software Version:
Priority:	Normal	
Assignee:	Curtis Rose	
Category:	Applications	
Target version:	3.4.13 (FY16 R3 2016-08-31 Aug)	
Impact:	Users will not be able to enter duplicate Point ID's anymore.	
Description		
<p>cneteditor allows the user to rename the contents of Point ID with no error checking. Unfortunately this means a user may accidentally rename a point to something that already exists without knowing. The changes may be saved to the existing network (disaster) or a new file. If said user saves the changes to the existing network, that network is effectively trash. No isis control network program (including cneteditor!) will be able to read the file because of the duplicate point:</p> <pre>Class = "PROGRAMMER ERROR" Code = 3 Message = "ControlPoint must have unique Id" File = ControlNet.cpp Line = 264</pre> <p>Every program will return this error when passed the network with duplicate point id's.</p> <p>There is no returning from this mistake save a programmer doing something special to skip the check and save the file to PVL where the user can then rename the duplicate points. This is a serious problem, yet very few people are likely to use this program (maybe, not sure). It is possible there are other edits that can take place in cneteditor that go unchecked, but this one is by far the most disastrous.</p>		
Related issues:		
Related to ISIS - Recommendation #2322: cnetbin2pvl - drop check for duplicat...		Acknowledged

History

#1 - 2015-08-13 12:11 PM - Lynn Weller

- Related to Recommendation #2322: cnetbin2pvl - drop check for duplicate pointid added

#2 - 2015-09-01 12:23 PM - Tammy Becker

- Status changed from New to Acknowledged

#3 - 2016-06-30 02:16 PM - Stuart Sides

- Status changed from Acknowledged to Assigned

- Assignee set to Curtis Rose

- Target version set to 3.4.13 (FY16 R3 2016-08-31 Aug)

#4 - 2016-06-30 02:23 PM - Curtis Rose

- Status changed from Assigned to In Progress

#5 - 2016-07-01 11:53 AM - Lynn Weller

If you need some data to play with, see /work/users/lweller/Isis3Tests/CnetEditor/dupPt.net which has a duplicate point in it. I believe (been a while since I created these files) /work/users/lweller/Isis3Tests/CnetEditor/EN0221456571M_Add.net is the original, good net (no duplicate point id's) and dupPt.net is the corrupted one (that I was allowed to create via cneteditor). Let me know if you have any questions.

#6 - 2016-07-11 11:01 AM - Lynn Weller

- Status changed from In Progress to Feedback

I've tested the changes that are under /work/projects/isis/latest/m02319/isis/ and they work well. I attempted to change a point id to match that of one already in the network and when I hit the enter key a pop window warned me the id already exists and a unique one needs to be entered and puts me back into the cell in edit mode to fix after I hit return or click on the enter key. In the case where I enter a duplicate id and click on a new cell the warning pops up and when exited it returns the duplicate point id to it's original value. Additionally, the ability to "copy to all cells" has been disabled for the Point ID column. Very nice. Looks good!

I have found that cneteditor will not open a network which contains points with duplicate id's (which is expected), but the message is pretty much useless. All other cnet programs I pass the bad net to has a more useful message and doesn't appear to crash as cneteditor does. I will open a new post for this problem.

NOTE: I am unable to close this post because it expects the programmer to enter finished effort hours.

#7 - 2016-07-11 12:33 PM - Curtis Rose

- Status changed from Feedback to Resolved

- Impact updated

#8 - 2016-07-11 12:41 PM - Lynn Weller

- Status changed from Resolved to Closed